

**Curriculum Vitae**  
**Melanie Kay Kuechle, MD.**

Birth Date and Place                      August 26, 1963 (Melanie Kay Kidd) Waco, Texas

Citizenship                                      United States

**EDUCATION**

8/1981-5/1985                                  Baylor University, Waco, Texas  
BA., Chemistry

8/1985-5/1989                                  Baylor College of Medicine, Houston, Texas  
MD., 5/28/89

**POSTGRADUATE TRAINING**

7/1/1989 - 6/30/1990                      Mayo Graduate School of Medicine, Rochester, MN Internship,  
Internal Medicine

7/1/1990 - 6/30/1992                      Residency, Dermatology

7/1/1992 - 6/30/1993                      Fellowship, Immunodermatology

7/1/1993 - 6/30/1994                      Residency, Dermatology

9/1995 - 10/1999                              Howard Hughes Postdoctoral Research Fellowship for  
Physicians

University of Washington Division of Dermatology

PI: Beverly Dale, PhD

University of Washington, Seattle, WA

## FACULTY POSITIONS

7/1994 to 7/1995	Clinical Instructor, Department of Dermatology Medical College of Virginia
10/1995 – 10/1999	Acting Instructor, Department of Medicine, (Division of Dermatology) University of Washington, Seattle WA
11/1999 – 8/2001	Acting Assistant Professor, Departments of Medicine (Division of Dermatology) and Pathology, University of Washington, Seattle, WA
8/2001 – 12/2007	Assistant Professor, Departments of Medicine (Division of Dermatology) and Pathology, University of Washington, Seattle, WA
1/2008-9/13/2020	Partner: Puget Sound Dermatology 21727 76 <sup>th</sup> Ave W, suite H Edmonds, WA 98026
1/2015-present	Adjunct Clinical Faculty, University of Utah Health Sciences Center, Department of Dermatology, Division of Immunodermatology, Salt Lake City, Utah Kristin Leiferman, Lab Director
9/14/2020-6/31/2020	Dermatologist: Frontier Dermatology
3/01/2022	Immunodermatologist: CTA pathology
10/1/2022	Dermatologist: Bellevue Dermatology Clinic

## HONORS / AWARDS

Undergraduate	Dean's Distinguished List Mortar Board Phi Beta Kappa BA. Cum Laude 5/85
Medical School	Alpha Omega Alpha M.D. with Honor, 5/89
Residency	Paul A. O'Leary Award, 6/94 (Outstanding Senior Resident in Dermatology)

#### BOARD CERTIFICATION

6/1989	Certification: Federal Licensing Exam
10/1994	American Board of Dermatology Certifying Examination
9/1997	American Board of Dermatology; Special Qualification in Clinical and Laboratory Dermatological Immunology
5/2003	American Board of Dermatology Recertifying Examination
3/2014	American Board of Dermatology Recertifying Examination

#### CURRENT LICENSURE

Washington #MD00032948  
Utah # 9554185-1205  
Oregon# MD209028

#### DEA

#BK2453924

#### PROFESSIONAL

#### ORGANIZATIONS

American Academy of Dermatology, Fellow  
American Medical Association, Member  
American Society for Cell Biology; Member  
Seattle Dermatologic Society, Treasurer (2005-07); Secretary  
(2006-07); **President (2007-08)**  
Washington State Dermatologic Society;  
**President: 2010-2011**

## RESEARCH FUNDING

9/1996-10/1999	Howard Hughes Post-Doctoral Research Fellowship for Physicians; PI: M. Kuechle, \$232,500.00 direct costs
10/1999-9/2000	Zymogenetics: "Characterization of the effects of Z-protein on epidermal growth and differentiation." PI: B. Dale-Crunk, "Role of Z-protein in Epidermal Differentiation," 9/1/99-8/30/00, \$58,500 annual direct costs
7/2000-6/2003	Dermatology Foundation Career Development Award: "The role of caspases in epidermal differentiation." PI: M. Kuechle, \$55,000 direct costs per year
7/2001-6/2002 Extended to 6/2003	Dermatology Foundation Research Grant: "The role of caspase-14 in epidermal differentiation." PI: M. Kuechle, \$20,000 direct costs
07/15/02 – 05/31/07	NIAMS R01 AR49183-01 — Period: PI: R. Presland Title: Protease-Mediated Events in Epidermal Differentiation
01/01/07-12/31/07	Ratner Biomedical Group: Percutaneous Device Support PI: M. Kuechle, \$50,000 annual direct costs

## Clinical Interests

Immunobullous disorders  
Inflammatory Dermatoses

## BIBLIOGRAPHY

### A. Refereed Journals

1. Kidd MK, Tschen JA, Rosen T, Altman AR, Goldberg L. Carcinoembryonic antigen in basal cell neoplasms in black patients: an immunohistochemical study. *J Am Acad Dermatol* 1989;21: 943-950.
2. Su WPD, Kuechle MK, Peters MS, Muller SA. Palisading granulomas caused by infectious diseases. *Am J Dermatopath* 1992; 14 (3): 211-215.
3. Kuechle MK, Stegemeir E, Maynard B, Gibson LE, Leiferman KM, Peters MS. Drug-induced linear IgA bullous dermatosis: report of six cases and review of the literature. *J Am Acad Dermatol* 1994; 30: 187-192.

4. Perniciaro C, Kuechle MK, Colon-Otero G, Raymond MG, Spear KL, Pittelkow MR. Paraneoplastic Pemphigus: A case of prolonged survival. *Mayo Clinic Proc* 1994; 69: 851-855.
5. Kuechle MK, Hutton KP, Muller SA. Angiotensin converting enzyme inhibitor-induced pemphigus: three case reports and literature review. *Mayo Clinic Proc* 1994;69: 1166-1171.
6. Kuechle MK, Mehregan DR, Roenigk RK, Muller SA. Giant cerebriform and disseminated molluscum contagiosum in atopic dermatitis. *Euro J Dermatol* 1996;6: 274-277.
7. Cannon GA, Kuechle MK, Garrett AB. Superficial cutaneous *Nocardia asteroides* infection in an immunocompetent pregnant woman. *J Amer Acad Dermatol* 1996; 35: 1000-1002.
8. Kuechle MK, Thulin CD, Presland RB, Dale BA. Profilaggrin requires both linker and filaggrin peptide sequences to form granules: Implications for profilaggrin processing in vivo. *J Invest Dermatol* 112: 843-852, 1999
9. Kuechle MK, Presland RB, Lewis SP, Fleckman PH, Dale BA. Inducible expression of filaggrin increases keratinocyte susceptibility to apoptotic cell death. *Cell Death and Diff* 7: 566-572, 2000.
10. Blumberg H, Conklin D, Xu W-F, Grossmann A, Brender T, Carollo S, Foster D, Haldeman BA, Hammond A, Haugen H, Kelly JD, Jelinek L, Madden K, Maurer MF, Parrish-Novak J, Prunkard D, Sexson S, Sprecher C, Waggle K, West J, Whitmore TE, Yao L, Kuechle MK, Dale BA, Chandrasekher YA. Interleukin 20: Discovery, Receptor Identification and Role in Epidermal Function. *Cell* 104: 9-19, 2001.
11. Kuechle MK, Predd HM, Fleckman P, Dale BA, Presland RB. Caspase 14, a keratinocyte specific caspase: identification of a novel splice variant and expression pattern in mouse development. *Cell Death and Differentiation* Aug;8(8):868-870, 2001.
12. Presland RB, Kuechle MK, Lewis SP, Fleckman P, Dale BA. Regulated expression of human filaggrin in keratinocytes results in cytoskeletal disruption, loss of cell-cell adhesion, and cell cycle arrest. *Exp Cell Res*. Nov 1;270(2):199-213, 2001.
13. Chien AJ, Presland RB, Kuechle MK. Processing of Native Caspase-14 Occurs at an Atypical Cleavage Site in Normal Epidermal Differentiation. *Biochem Biophys Res Commun*. Aug 30;296(4):911, 2002.
14. Jun JB, Kuechle MK, Min J, Shim SC, Kim G, Montenegro V, Korn JH, Elkon KB. Scleroderma fibroblasts demonstrate enhanced activation of Akt (protein kinase B) *in situ*. *J Invest Dermatol* 124:2989-303, 2005.
15. Asgari M, Leiferman K, Piepkorn M, and Kuechle MK. Neonatal eosinophilic pustulosis. *Int J Dermatol* 45(2):131-4, 2006.
16. Park K, Kuechle MK, Choe Y, Craik CS, Lawrence OT, Presland RB. Expression and characterization of constitutively active human caspase-14. *Biochem Biophys Res Commun* 2006. 347:941-8.
17. Schmechel S, Kuechle MK, Vontver R, Swanson P. Pemphigus Vulgaris presenting with atypical Papanicalou Smear. *Checksamle* 2007. 35: 1-15.

18. Kuechle MK, Elkon KB. Shining Light on Lupus and UV. *Arthritis Res Therap* 2007. 9:101-103.
19. Blumberg H, Dinh H, Trueblood ES, Pretorius J, Kugler D, Weng N, Kanaly ST, Towne JE, Willis CR, Kuechle MK, Sims JE, Peschon JJ. Opposing activities of two novel members of the IL-1 ligand family regulate skin inflammation. *J Exp Med*. 2007 Oct 29;204(11):2603-14. Epub 2007 Oct 1.
20. Olson JM, Nguyen VQ, Yoo J, Kuechle MK. Cutaneous manifestations of *Corynebacterium jeikeium* sepsis. *Int J Dermatol* 2009 Aug48(8);886-888.
21. Ziemann AJ, Shinohara MM, Kuechle MK. Eruptive squamous cell carcinomas in an erythrodermic patient. *J Am Acad Dermatol* 2020 Dec 17;8: 60-62.

#### B. Book Chapters

22. Kuechle MK. Graft versus Host Disease. In: James WD, Elston D. (Chief Eds.); *eMedicine Dermatology*. St. Petersburg: eMedicine Corporation, 2001. Updated 2004.

#### C. Other Publications (non-refereed journals, letters to the editor)

23. Hathaway T, Kuechle MK. Apoptosis in Cutaneous Biology. Invited Review. *Adv Dermatol* 2003; 18: 287-311.
24. Jun JB, Kuechle MK, Harlan JM, Elkon KB. Fibroblast and endothelial apoptosis in systemic sclerosis. Invited Review. *Curr Opin Rheumatol* 15:756-60, 2003.